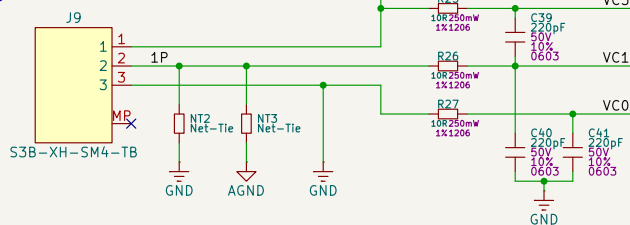


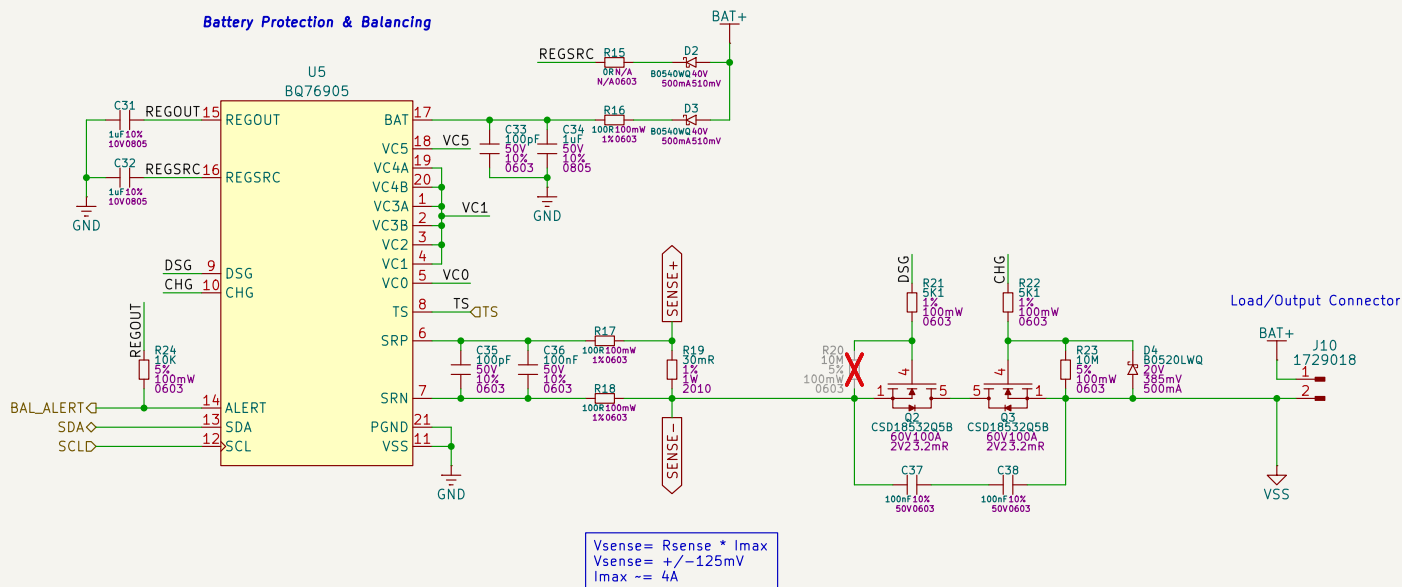




MaxAmps  
LFP-Max LiFePO4 5000 2S 6.6V  
Battery Pack Balance Connector



### Battery Protection & Balancing



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Status PROTOTYPE

Drawn By: Madison Gleydura

**Embry-Riddle Aeronautical University**

Sheet: /Battery Monitor/

File: battery\_monitor.kicad\_sch

**Title: LiFePO4 Protection & Balancer**

Size: USLetter

Date: 2024-11-03

Rev: 01

KiCad E.D.A. 8.0.6

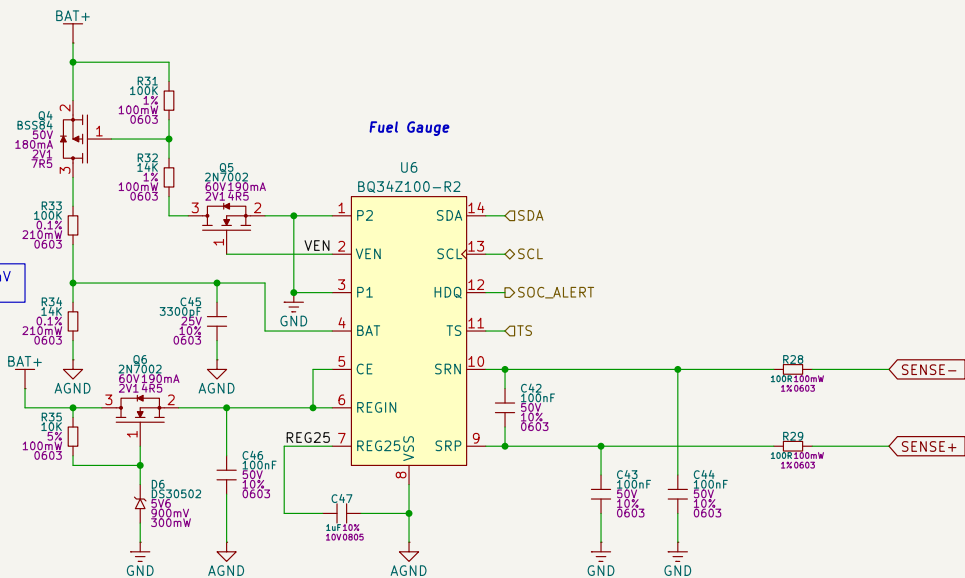
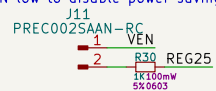
Id: 3/4



$$R33 = R34(V_{max} - 900mV) / 900mV$$

$$V_{max} = 7700mV$$

Pull VEN low to disable power saving mode



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Status PROTOTYPE

Drawn By: Madison Gleydura

**Embry-Riddle Aeronautical University**

Sheet: /Fuel Gauge/

File: fuel\_gauge.kicad\_sch

**Title: LiFePO4 State of Charge**

Size: USLetter

Date: 2024-11-03

Rev: 01

KiCad E.D.A. 8.0.6

Id: 4/4

